

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047937.D
 Acq On : 01 Oct 2025 14:06
 Operator : JC/MD
 Sample : Q3193-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20250922DL

Quant Time: Oct 03 01:21:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

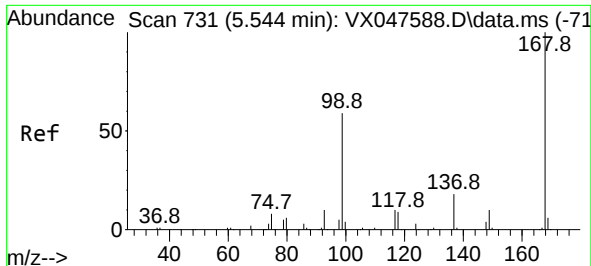
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	137989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	284533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	118085	53.762	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.520%	
35) Dibromofluoromethane	5.379	113	94414	49.477	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.960%	
50) Toluene-d8	8.635	98	318228	48.195	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.400%	
62) 4-Bromofluorobenzene	11.067	95	138733	55.362	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.720%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.343	101	493	0.309	ug/l #	61
11) Tert butyl alcohol	2.941	59	240	0.981	ug/l #	72
16) Acetone	2.380	43	1099	1.151	ug/l #	79
18) Methyl Acetate	2.703	43	502	0.236	ug/l #	54
20) Methylene Chloride	2.782	84	1349	0.667	ug/l #	73
25) 2-Butanone	4.593	43	307	0.258	ug/l #	50
31) Cyclohexane	5.538	56	3206	1.105	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	11553	4.143	ug/l #	51
38) Carbon Tetrachloride	5.544	117	14454	4.771	ug/l #	19
44) Trichloroethene	7.117	130	23235	11.348	ug/l	99
76) 1,2,3-Trichloropropane	11.067	75	73281	23.876	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	73281	60.888	ug/l #	8

(#) = qualifier out of range (m) = manual integration (+) = signals summed

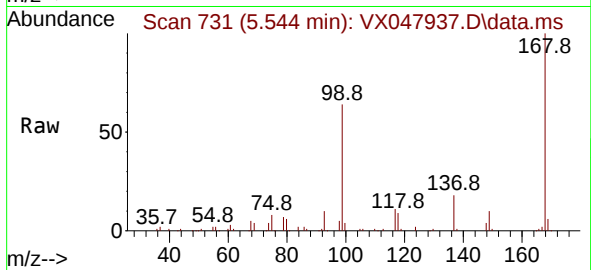
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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



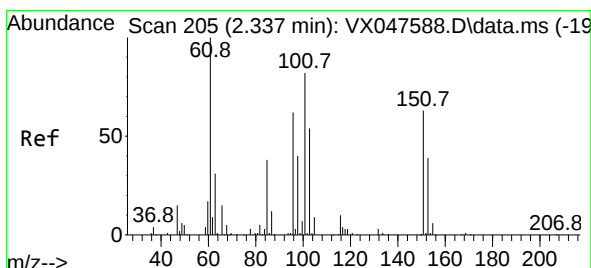
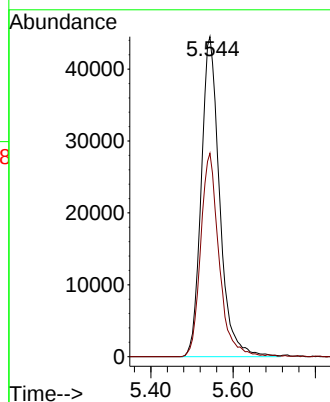
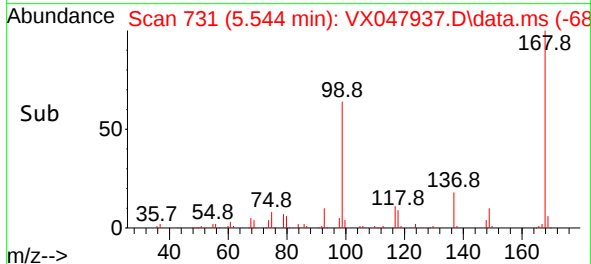


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

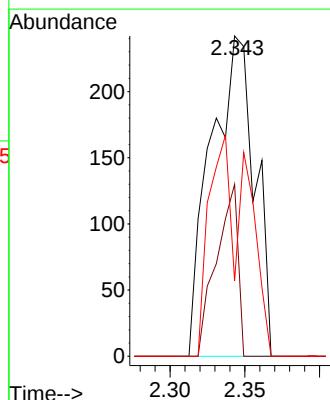
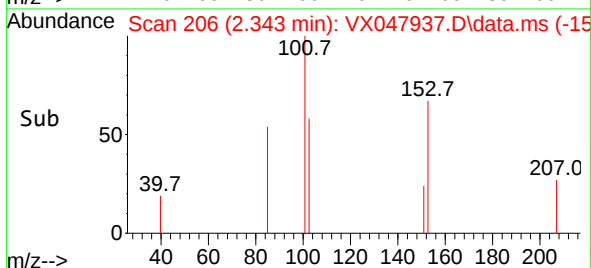
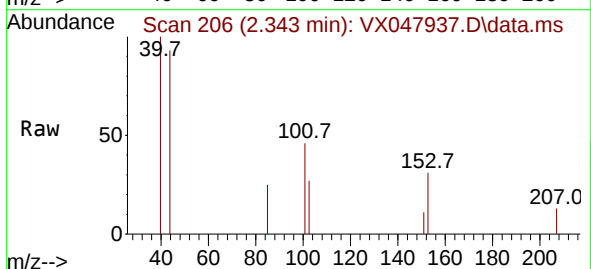


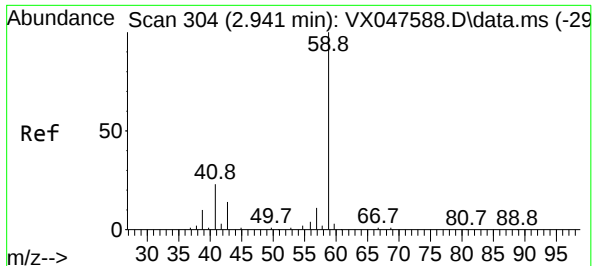
Tgt Ion:168 Resp: 137989
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.309 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion:101 Resp: 493
Ion Ratio Lower Upper
101 100
85 26.6 35.5 53.3#
151 35.9 59.4 89.0#

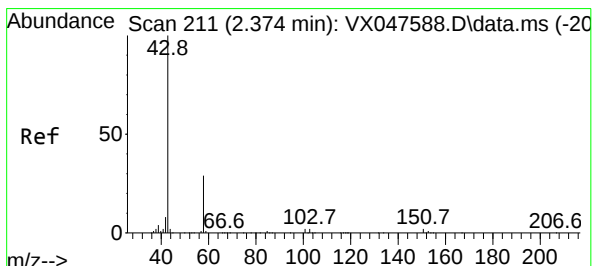
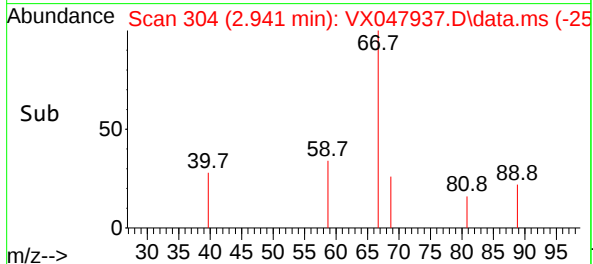
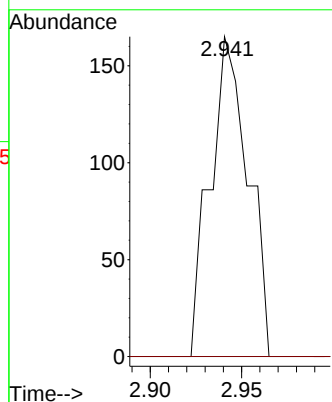
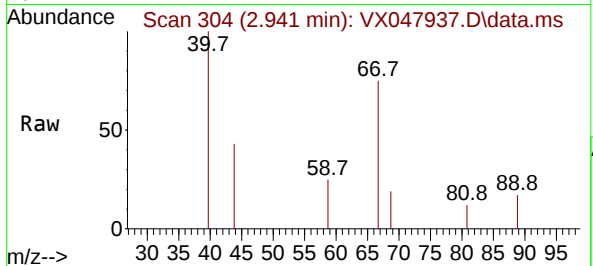




#11
Tert butyl alcohol
Concen: 0.981 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

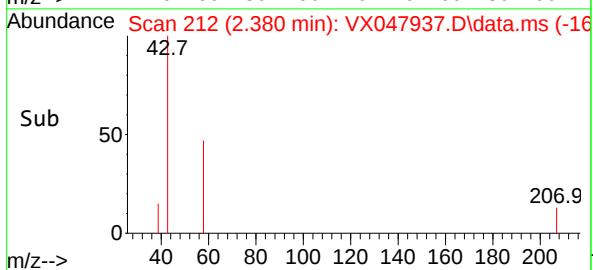
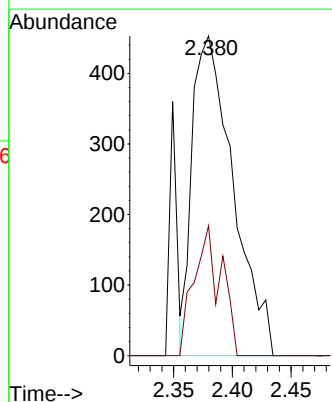
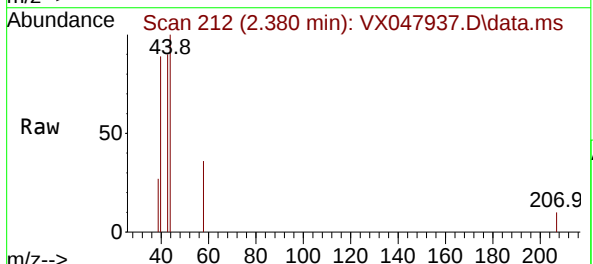
Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

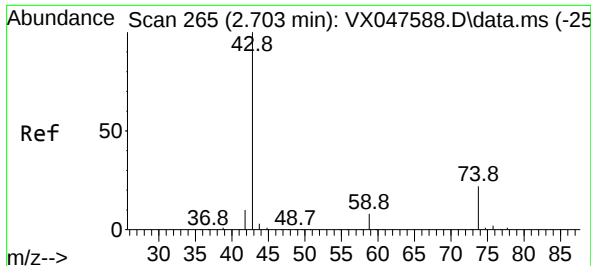
Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.151 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 40.6 23.4 35.0#





#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX047937.D

Acq: 01 Oct 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

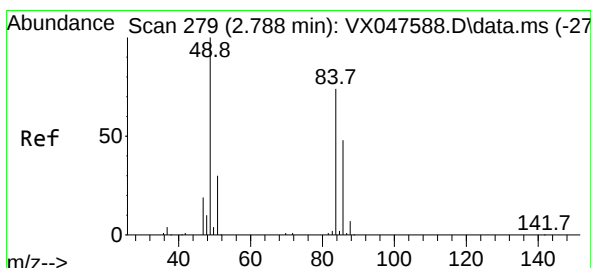
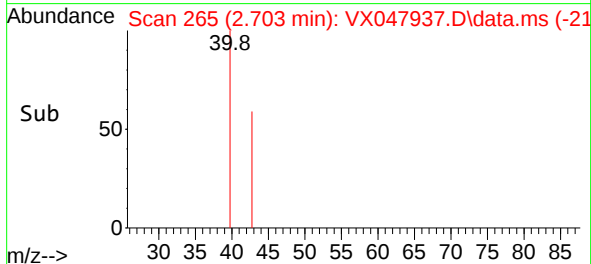
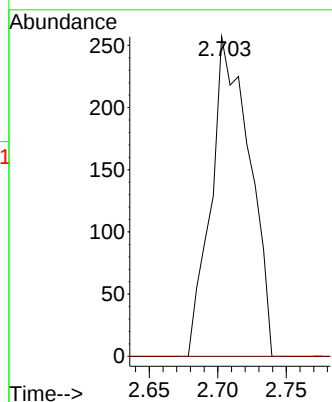
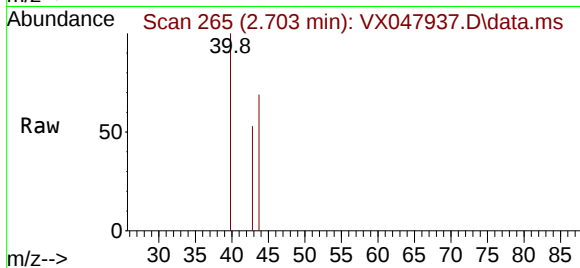
RW4-20250922DL

Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#



#20

Methylene Chloride

Concen: 0.667 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX047937.D

Acq: 01 Oct 2025 14:06

Tgt Ion: 84 Resp: 1349

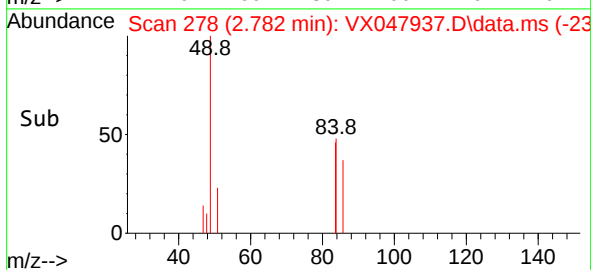
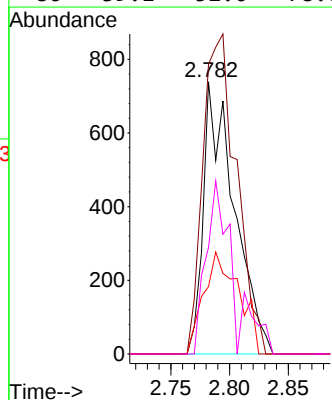
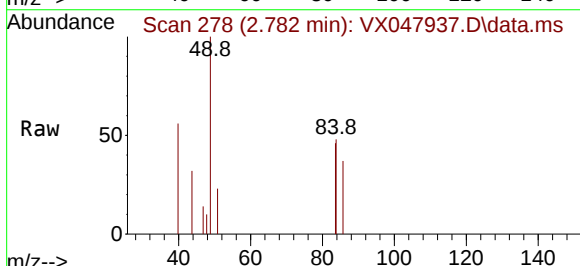
Ion Ratio Lower Upper

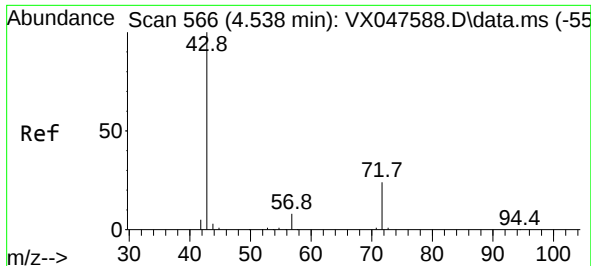
84 100

49 106.5 108.6 162.8#

51 24.8 32.6 48.8#

86 39.1 52.0 78.0#

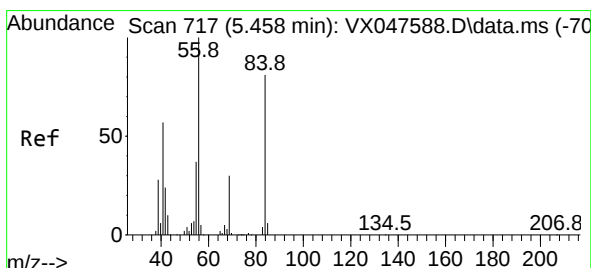
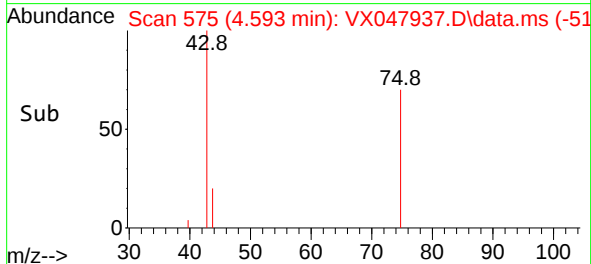
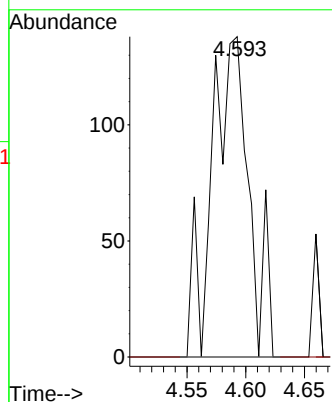
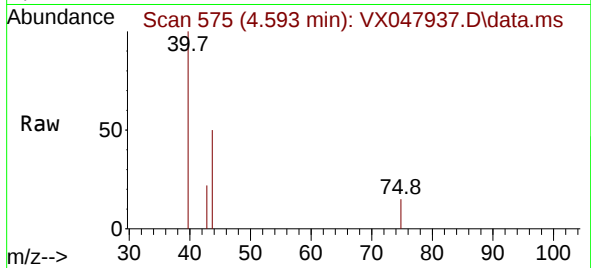




#25
2-Butanone
Concen: 0.258 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

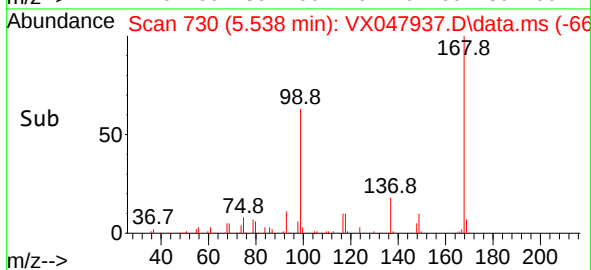
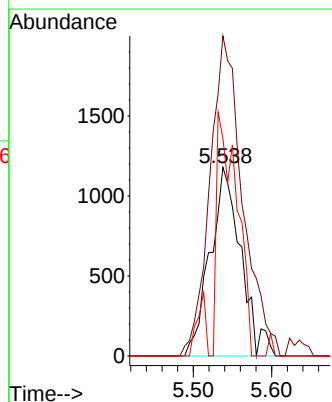
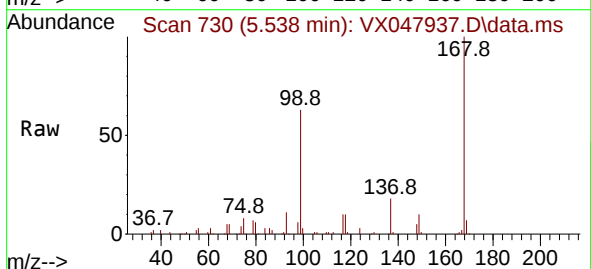
Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

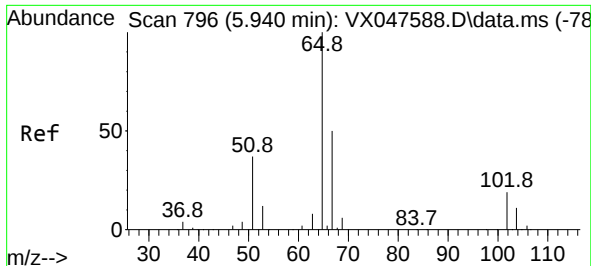
Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion: 56 Resp: 3206
Ion Ratio Lower Upper
56 100
69 169.6 23.8 35.8#
84 115.4 64.6 97.0#

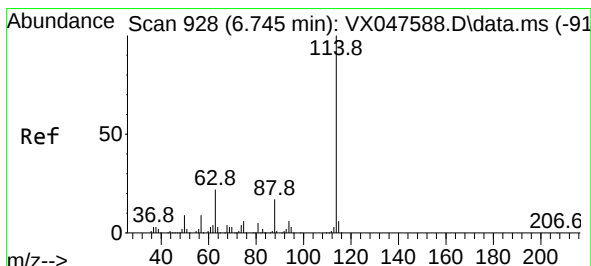
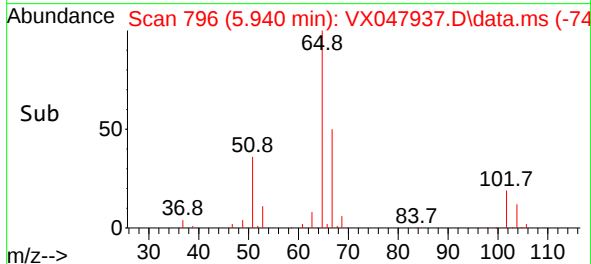
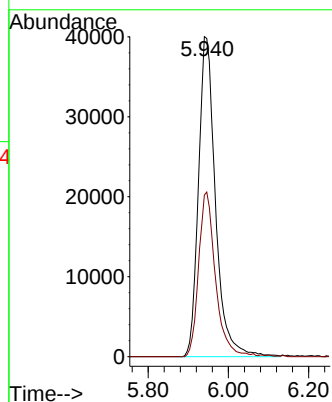
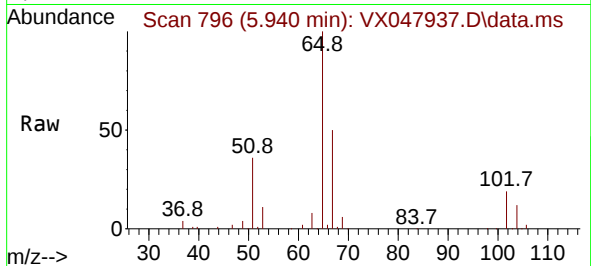




#33
 1,2-Dichloroethane-d4
 Concen: 53.762 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX047937.D
 Acq: 01 Oct 2025 14:06

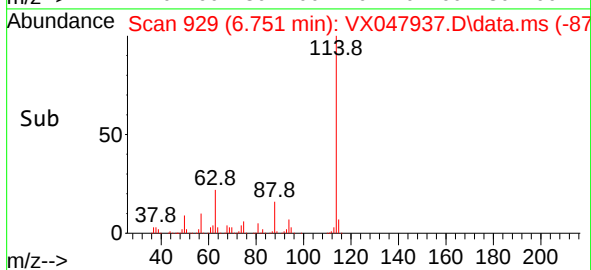
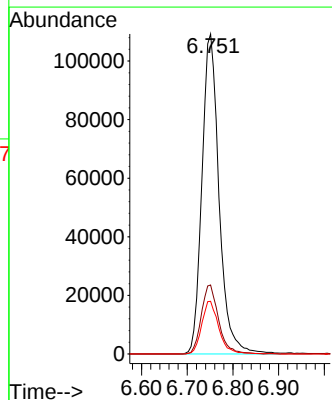
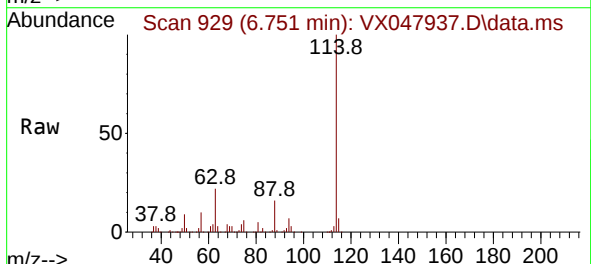
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20250922DL

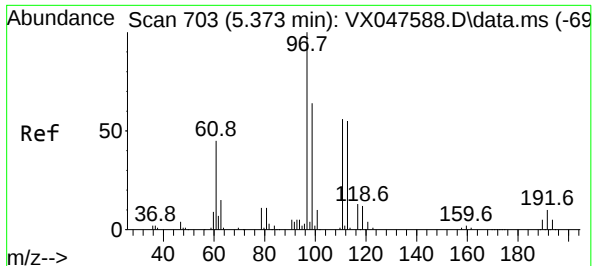
Tgt Ion: 65 Resp: 118085
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047937.D
 Acq: 01 Oct 2025 14:06

Tgt Ion: 114 Resp: 284533
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.0
 88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.477 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047937.D

Acq: 01 Oct 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

RW4-20250922DL

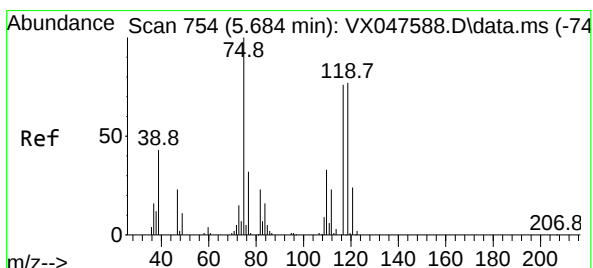
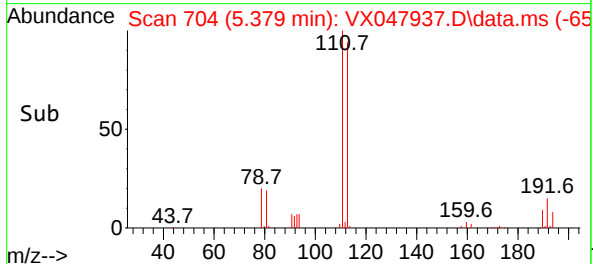
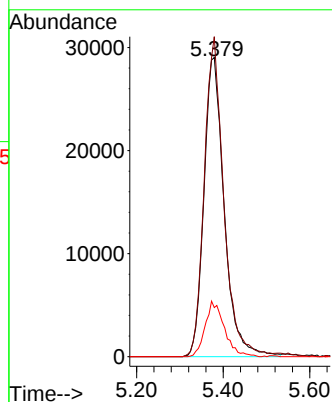
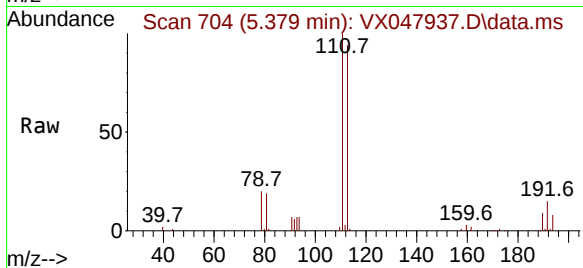
Tgt Ion:113 Resp: 94414

Ion Ratio Lower Upper

113 100

111 103.1 80.9 121.3

192 17.6 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.143 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX047937.D

Acq: 01 Oct 2025 14:06

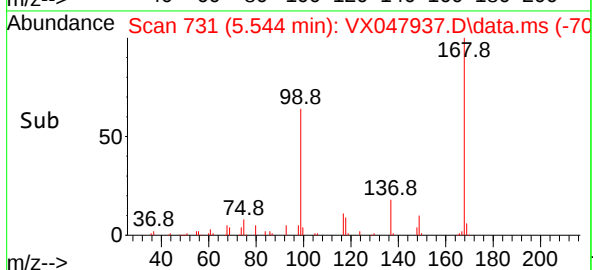
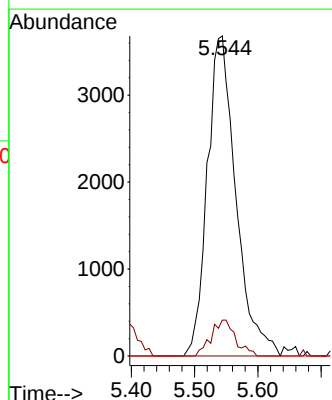
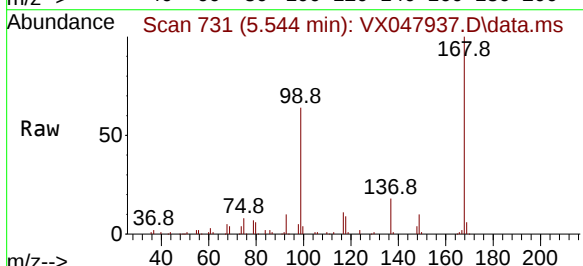
Tgt Ion: 75 Resp: 11553

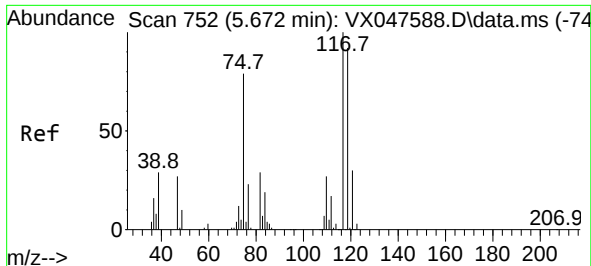
Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.1#

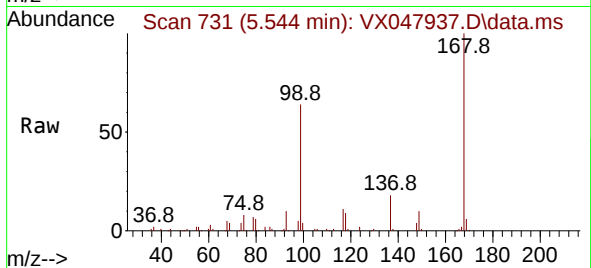
77 0.0 24.3 36.5#



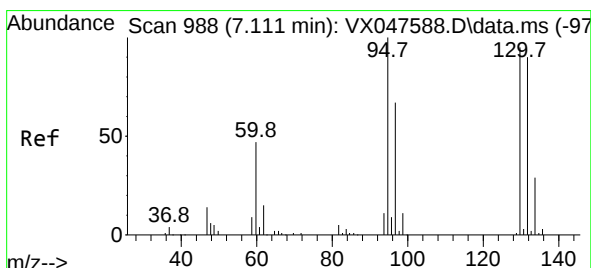
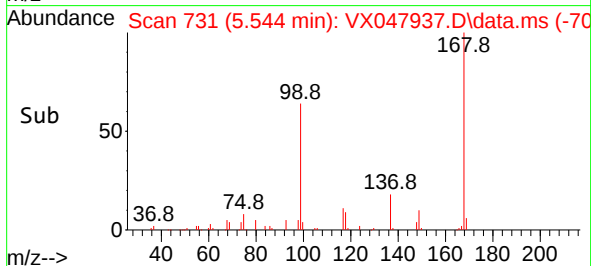
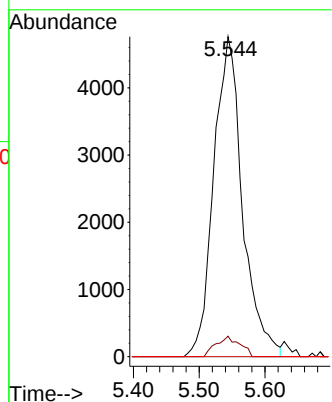


#38
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

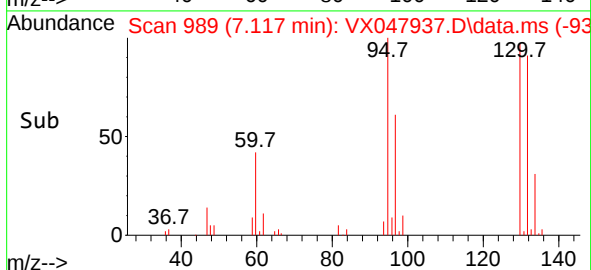
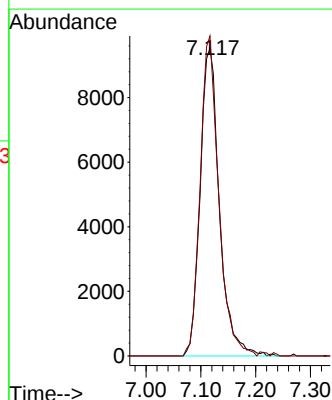
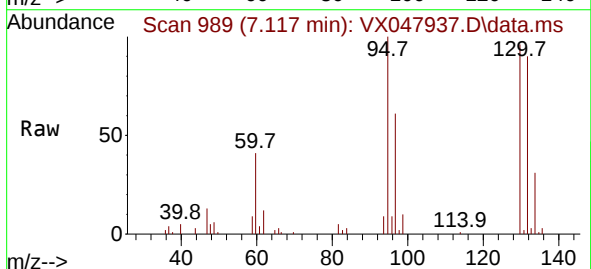


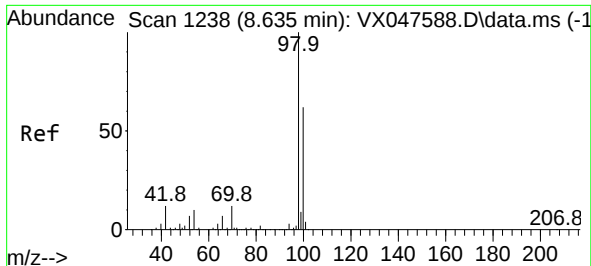
Tgt Ion:117 Resp: 14454
Ion Ratio Lower Upper
117 100
119 6.4 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 11.348 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion:130 Resp: 23235
Ion Ratio Lower Upper
130 100
95 104.0 0.0 210.8

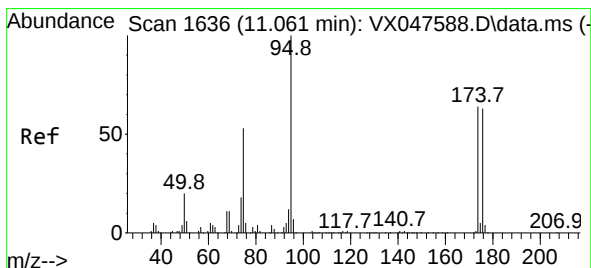
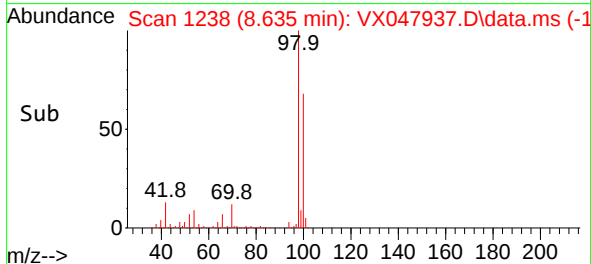
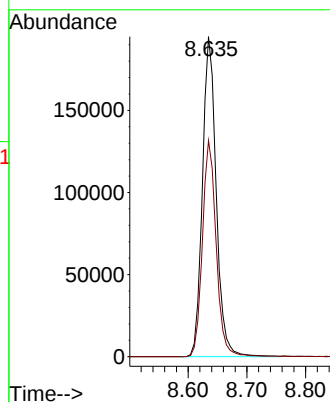
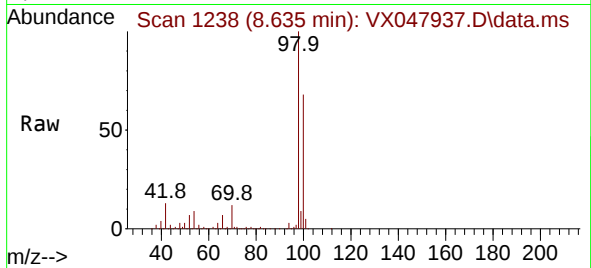




#50
Toluene-d8
Concen: 48.195 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

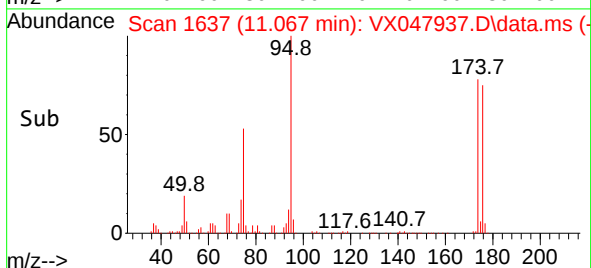
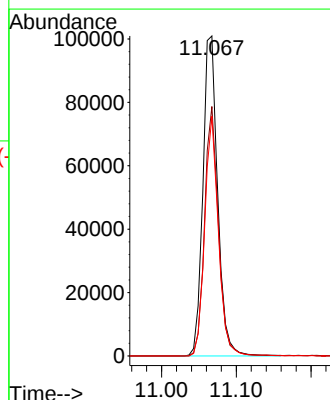
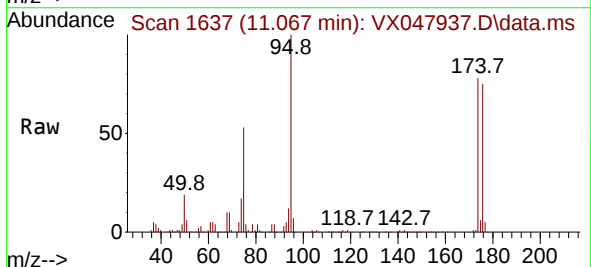
Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

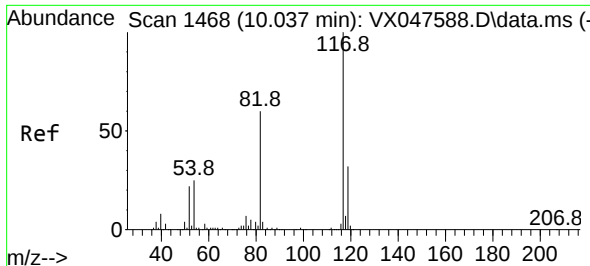
Tgt Ion: 98 Resp: 318228
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.362 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion: 95 Resp: 138733
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 69.6 0.0 138.4

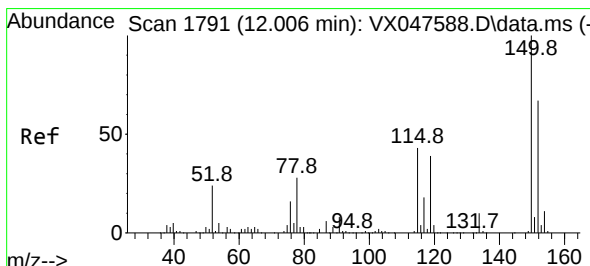
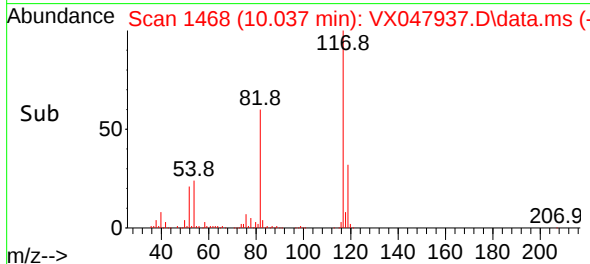
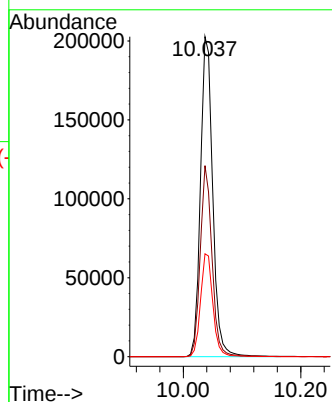
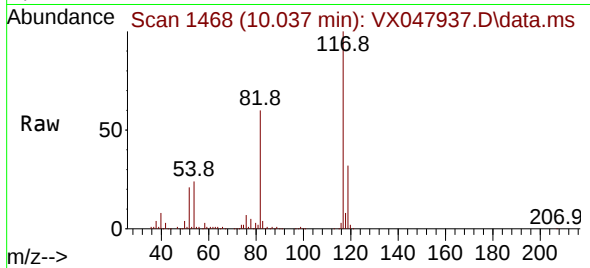




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

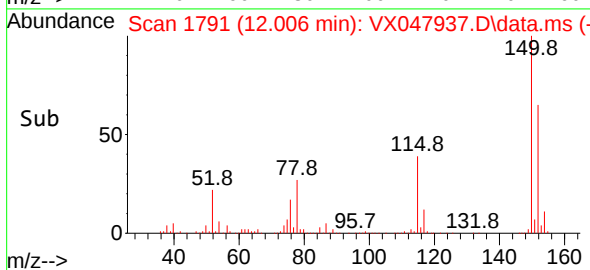
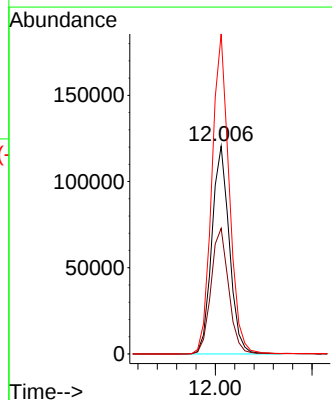
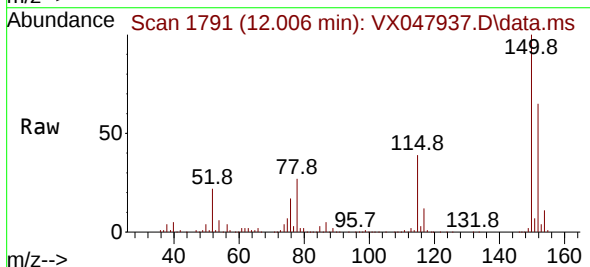
Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

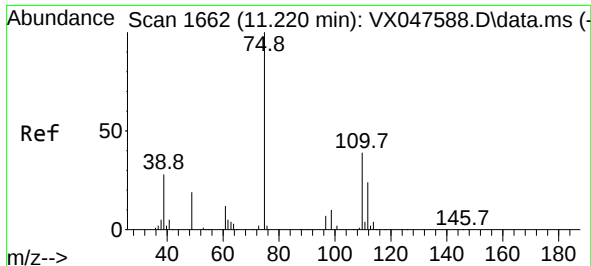
Tgt Ion:117 Resp: 293412
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion:152 Resp: 151588
Ion Ratio Lower Upper
152 100
115 61.2 44.9 134.5
150 152.4 0.0 352.0

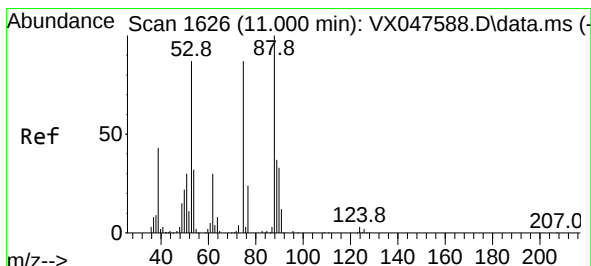
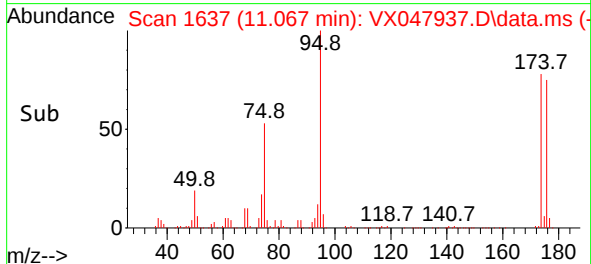
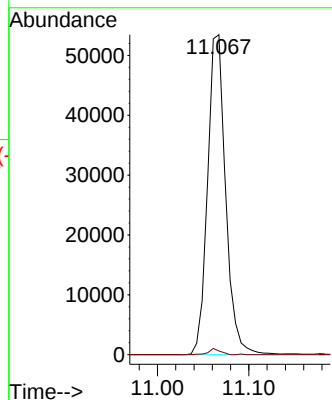
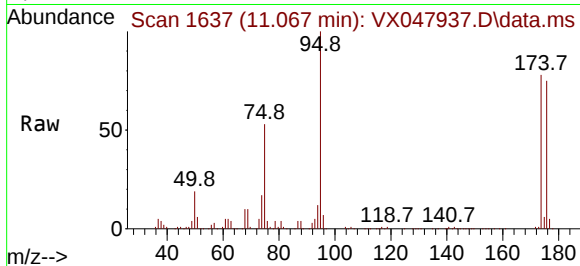




#76
1,2,3-Trichloropropane
Concen: 23.876 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Tgt Ion: 75 Resp: 73281
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.888 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047937.D
Acq: 01 Oct 2025 14:06

Tgt Ion: 75 Resp: 73281
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

